

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	233	string near2 diodes and (electrostatic near2 discharge ESD electrostatic near3 energy electrostatic near2 voltage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 06:25
L2	3	("5654863"   "5767550"   "5917220").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 06:14
L3	8	("6064249").URPN.	USPAT	OR	ON	2006/10/24 06:15
L4	13	("4385337"   "4763184"   "4868705"   "4870530"   "4876584"   "4930036"   "4996626"   "5012317"   "5028819"   "5059831"   "5060037"   "5086365"   "5237395").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 06:17
L5	32	("5311391").URPN.	USPAT	OR	ON	2006/10/24 06:18
L6	4	("5311391"   "5617283"   "5719737"   "6069782").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 06:18
L7	7	("5301084"   "5311391"   "5345356"   "5361185"   "5430602"   "5514893"   "5541801").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 06:19
L8	11	("4716302"   "4855620"   "4859875"   "4864454"   "4989057"   "5051860"   "5157573"   "5170240"   "5208719"   "5237395"   "5311391").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 06:20
L9	25	("5617283").URPN.	USPAT	OR	ON	2006/10/24 06:21
L10	4	( string stack stacked)near2 diodes near4 divider and (electrostatic near2 discharge ESD electrostatic near3 energy electrostatic near2 voltage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 08:38
L11	125	(stack stacked) near3 (NMOS PMOS) and ESD	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 07:11
L12	22	("4855620"   "4937700"   "5086365"   "5237395"   "5255146"   "5287241"   "5311391"   "5440162"   "5500546"   "5598313"   "5610791"   "5625280"   "5631793"   "5774318"   "5784242"   "5825603"   "5835328"   "5946175"   "5956219"   "5959488"   "5959820"   "6172383").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 07:17
L13	1	("5463520").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 07:18
L14	4	("4855620"   "5208719"   "5304839"   "5335132").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 07:19
L15	22	("5463520").URPN.	USPAT	OR	ON	2006/10/24 07:24
L16	108	(ESD near3 pulse ESD near2 sebsed ESD near2 detected ESD near2 occurs ESD near2 event) with (non near2 conductive turned near2 off pulled near2 downed low near2 state)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 08:40

## EAST Search History

L17	60	(ESD near3 pulse ESD near2 sebsed ESD near2 detected ESD near2 occurs ESD near2 event) near7 (non near2 conductive turned near2 off pulled near2 downed low near2 state)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 07:35
L18	62	(ESD near3 pulse ESD near2 sensed ESD near2 detected ESD near2 occurs ESD near2 event) near7 (non near2 conductive turned near2 off pulled near2 downed low near2 state)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 07:56
L19	600	ESD near2 (sens\$3 detect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 07:38
L20	119	19 and inverter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 07:38
L21	13	("4008418"   "5212616"   "5333105"   "5578960"   "5629608"   "5838145"   "6249410"   "6320363"   "6400540"   "6411482"   "6424510"   "6509723"   "6552583").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 07:45
L22	11	("5287241"   "5311391"   "5559659"   "5617283"   "5745323"   "5870268"   "5917689"   "5946177"   "6046897"   "6069782"   "6075686").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 07:47
L23	10	("4503448"   "5173755"   "5218222"   "5272371"   "5290724"   "5508224"   "5545910"   "5565790"   "5719733"   "5745323").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 07:50
L24	14	("5870268").URPN.	USPAT	OR	ON	2006/10/24 07:50
L25	50	(ESD near3 pulse ESD near2 sensed ESD near2 detected ESD near2 occurs ESD near2 event) near4 (turn near2 off turned near3 off)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 07:57
L26	5	("4860148"   "5218506"   "5440162"   "5559659"   "5771140").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 08:08
L27	4	("3573550"   "3943427"   "4585905"   "5311391").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 08:30
L28	48	("5530612").URPN.	USPAT	OR	ON	2006/10/24 08:31
L29	13	("3590340"   "5218222"   "5270565"   "5272371"   "5416351"   "5430595"   "5530612"   "5852315"   "5907464"   "6002155"   "6028758"   "6043969"   "6091595").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 08:38
L30	3367	(361/56-58).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/24 08:38

## EAST Search History

L31	149	( string stack stacked)near2 diodes and 30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 08:39
L32	626	( string stack stacked series ) near2 diodes and 30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:10
L33	270	32 and (non near2 conductive turned near2 off pulled near2 downed low near2 state)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 08:40
L34	3	("5670799"   "5959820"   "6573566").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 08:56
L35	3	("5278422"   "5973359"   "RE35836").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 08:58
L36	7	("5301084"   "5311391"   "5345356"   "5361185"   "5430602"   "5514893"   "5541801").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 09:10
L37	2097	(361/91.1,111).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/24 09:10
L38	353	( string stack stacked series ) near2 diodes and 37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:11
L39	70	38 and inverter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 10:00
L40	1	("6775112").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/24 10:01
L41	0	("(cascadedcascade)near2(transistornmospmos)andesd").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/24 10:02
L42	111	(cascaded cascade) near2 (transistor nmos pmos) and esd	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 10:24

## EAST Search History

L43	2	("6392860"   "6455902").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 10:08
S9	413	(plural plurality) near2 diodes and ESD	US-PGPUB; USPAT	OR	ON	2006/10/23 14:09
S10	420	(plural plurality) near2 diodes and ESD	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 13:33
S11	18	("20020081783"   "20020145163"   "20050280091"   "5181091"   "5321293"   "5326994"   "5652456"   "5668384"   "5670814"   "5796147"   "5986863"   "6060752"   "6184557"   "6281554"   "6400542"   "6576934"   "6788507"   "6953969").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 13:44
S12	5	("4989057"   "5610790"   "6404269"   "6496341"   "6608744").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 13:46
S13	8	("4795918"   "5814865"   "5946177"   "6292343"   "6399990"   "6437407"   "6501632"   "6529359").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 13:47
S14	25	("20010019281"   "4539489"   "4558233"   "4634904"   "4797584"   "4970408"   "4984043"   "5030845"   "5243233"   "5278458"   "5463335"   "5467039"   "5534804"   "5703804"   "5767710"   "5821787"   "5936444"   "5942925"   "5946267"   "6111441"   "6204704"   "6236249"   "6288584"   "6310485"   "6362669").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 13:48
S15	14	("5528188"   "5530612"   "5572394"   "5740000"   "5754381"   "5886862"   "5907464"   "5917336"   "5945713"   "5959820"   "6002568"   "6008684"   "6011681"   "6043539").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 13:50
S16	4	("5311391"   "5617283"   "5719737"   "6069782").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 13:52
S17	7	("5301084"   "5311391"   "5345356"   "5361185"   "5430602"   "5514893"   "5541801").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 13:53
S18	13	("4385337"   "4763184"   "4868705"   "4870530"   "4876584"   "4930036"   "4996626"   "5012317"   "5028819"   "5059831"   "5060037"   "5086365"   "5237395").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 13:54
S19	32	("5311391").URPN.	USPAT	OR	ON	2006/10/23 13:54
S20	17	("4862233"   "4893158"   "5079608"   "5115369"   "5128823"   "5162699"   "5181095"   "5256582"   "5304802"   "5365099"   "5397914"   "5444595"   "5502399"   "5521414"   "5638246"   "5691557"   "5973359").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 13:57
S21	30	cascaded near3 NMOS and diodes and ESD	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 06:07